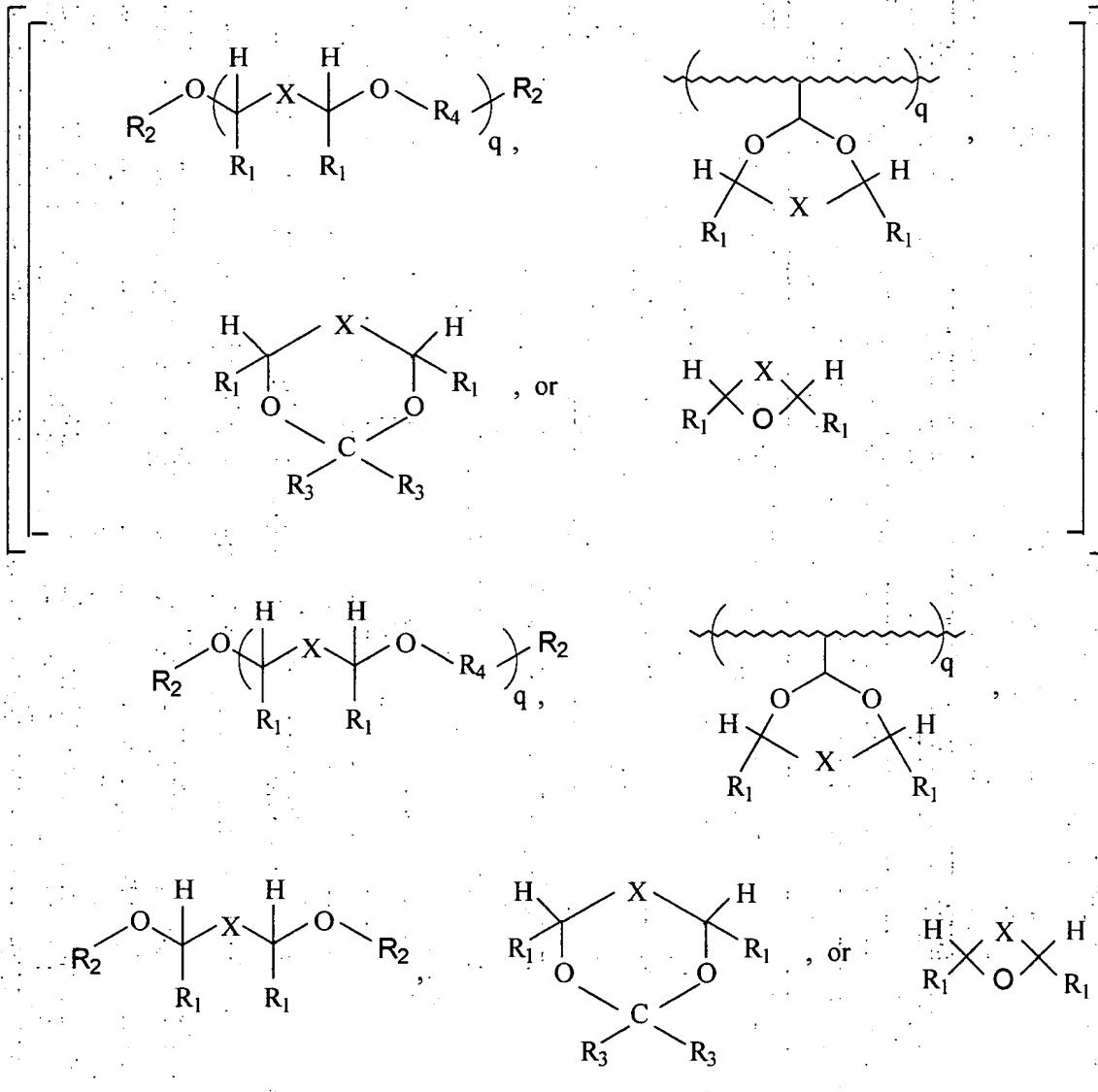


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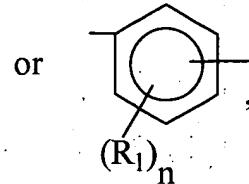
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IN THE CLAIMS

1 25. (Currently amended) A polymer which comprises polyvinyl chloride, polycarbonate,
2 polyurethane, polyethylene, or polypropylene, containing about 0.005 to about 10 phr of a
3 stabilizer having the formula:



4 where X is $-R_1C=CR_1-$, $-C\equiv C-$,



5 each R is independently selected from hydrogen and R', each R' is independently selected
6 from alkyl from C₁ to C₂₀, aryl from C₆ to C₂₀, alkaryl from C₇ to C₂₀, and aralkyl from C₇ to
7 C₂₀; each R₁ is independently selected from R, OR, RCO, ROCO, ROCO₂, N(R)₂, (R)₂NCO,
8 (R)₂NCO₂, SR, and halogen; each R₂ is independently selected from R, RCO, and ROCO,
9 and two R₁ groups, two R₂ groups, or an R₁ group and an R₂ group can be bridged together
10 to form a ring, except that when X is $-R_1C=CR_1-$ at least one R₂ is not hydrogen; each R₃,
11 is independently selected from R', RCO, ROCO, ROCO₂, OR, SR, and N(R)₂; R₄ is
12 alkylene from C₁ to C₂₀, arylene from C₆ to C₂₀, (aryl)alkylene from C₇ to C₂₀, (alkyl)arylene
13 from C₇ to C₂₀, alkanediyl from C₁ to C₂₀, (aryl)alkanediyl from C₇ to C₂₀, -CO-(alkylene)-CO-
14 from C₁ to C₂₀, -CO-arylene-CO- from C₆ to C₂₀, -CO-(aryl)alkylene-CO- from C₇ to C₂₀, and
15 -CO-(alkyl)arylene-CO- from C₇ to C₂₀; and q is 1 to 1000.

26. (Previously added) A polymer according to Claim 25 wherein said polymer is polyvinyl chloride.

27. (Previously added) A polymer according to Claim 25 that is has been made into an article that has been sterilized with gamma radiation.

28. (Previously amended) A polymer which comprises polyvinyl chloride, polycarbonate, polyurethane, polyethylene, or polypropylene, containing about 0.005 to about 10 phr of cis-4-benzyloxy-2-buten-1-ol.

29. (Previously added) A polymer according to Claim 25 wherein said stabilizer is cis-1,4-dibenzyloxy-2-butene.

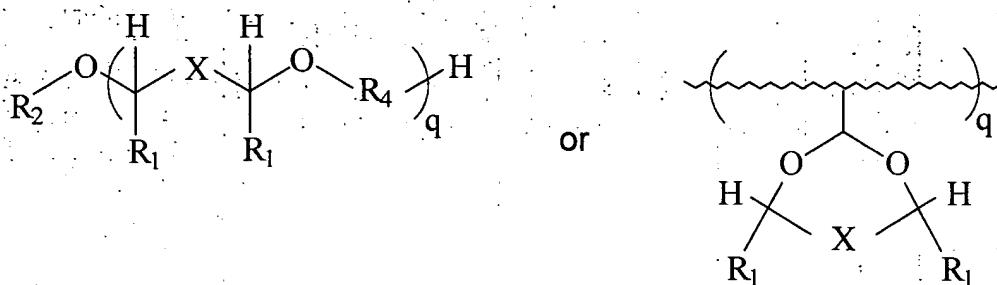
30. (Previously added) A polymer according to Claim 25 wherein said stabilizer is a phthalan.

31. (Previously added) A polymer according to Claim 25 wherein X is $-R_1C=CR_1$.

32. (Previously amended) A polymer according to Claim 31 wherein X is $-HC=CH-$.

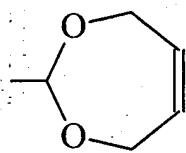
33. (Previously added) A polymer according to Claim 25 where each R is independently selected from hydrogen, alkyl from C_1 to C_{12} , aryl from C_6 to C_{12} , alkaryl from C_7 to C_{12} , and aralkyl from C_7 to C_{12} .

34. (Previously added) A polymer according to Claim 25 wherein said stabilizer has the structure:



where R_4 is alkylene from C_1 to C_8 , (aryl)alkylene from C_7 to C_8 , or $-CO-(aryl)alkylene-CO-$ from C_7 to C_8 ; and q is 1 to 5.

35. (Previously added) A polymer according to Claim 34 wherein said stabilizer has the pendant group



36. (Previously added) A polymer according to Claim 34 that has been made into an article and sterilized with gamma radiation.

37. (Previously added) A polymer according to Claim 25 wherein R is benzyl.

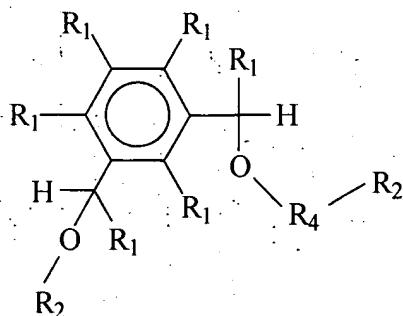
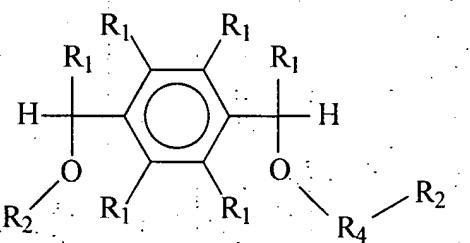
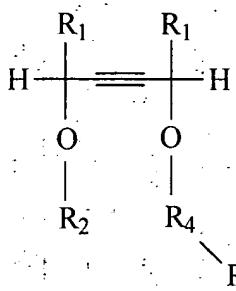
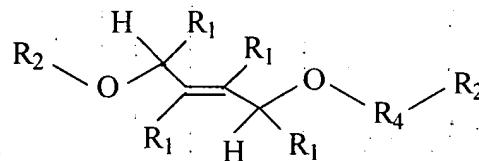
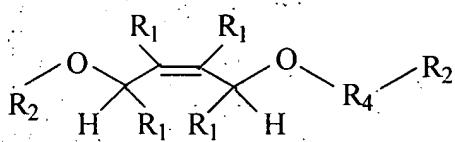
38. (Previously added) A polymer according to Claim 25 wherein R_1 is H.

39. (Previously added) A polymer according to Claim 25 wherein R_2 is R.

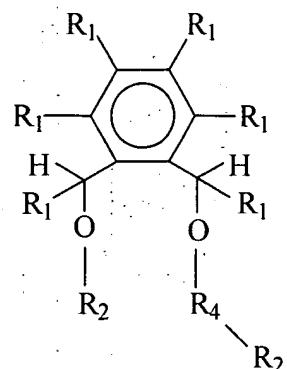
40. (Previously added) A polymer according to Claim 25 wherein R_3 is R.

41. (Previously added) A polymer according to Claim 25 wherein said two R_1 groups that can be bridged together to form a ring are selected from the group consisting of alkylene from C_1 to C_8 , (aryl)alkylene from C_7 to C_8 , and -CO-(aryl)alkylene-CO- from C_7 to C_8 .

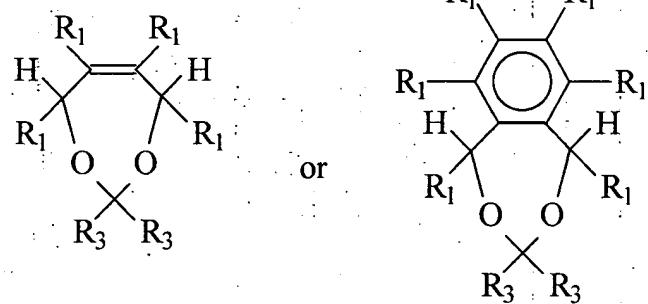
42. (Previously amended) A polymer according to Claim 25 wherein said stabilizer has the formula



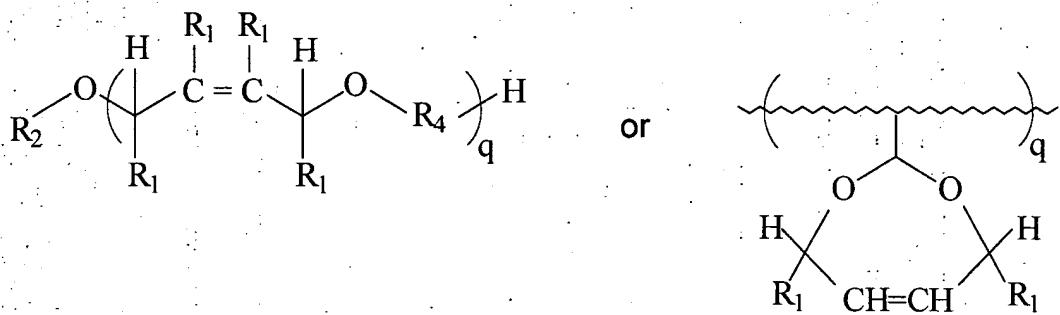
or



43. (Previously added) A polymer according to Claim 25 wherein said stabilizer has the formula:



1 44. (Previously amended) A polymer which comprises polyvinyl chloride, polycarbonate,
 2 polyurethane, polyethylene, or polypropylene, containing about 0.005 to about 10 phr of a
 3 stabilizer having the formula:



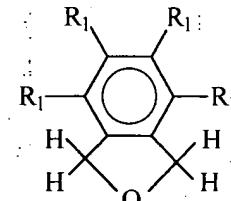
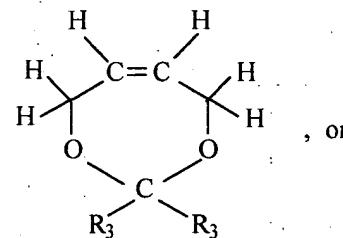
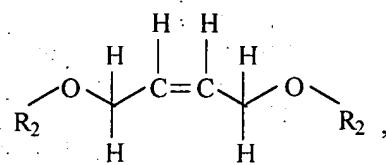
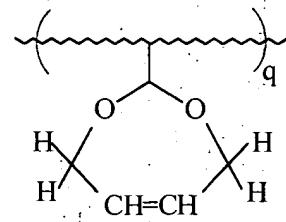
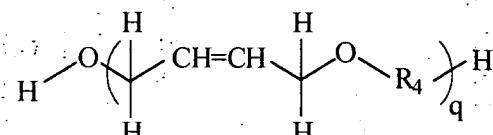
4 where each R is independently selected from hydrogen and R', each R' is independently
 5 selected from alkyl from C₁ to C₂₀, aryl from C₆ to C₂₀, alkaryl from C₇ to C₂₀, and aralkyl
 6 from C₇ to C₂₀; each R₁ is independently selected from R, OR, RCO, ROCO, ROCO₂,
 7 N(R)₂, (R)₂NCO, (R)₂NCO₂, SR, and halogen; each R₂ is independently selected from R,

8 RCO, and ROCO, and two R₁ groups, two R₂ groups, or an R₁ group and an R₂ group can
9 be bridged together to form a ring, except that when X is -R₁C=CR₁- at least one R₂ is not
10 hydrogen; R₄ is alkylene from C₁ to C₈, (aryl)alkylene from C₇ to C₈, or -CO-(aryl)alkylene-
11 CO- from C₇ to C₈; and q is 1 to 5.

45. (Previously added) A polymer according to Claim 44 wherein said polymer is polyvinyl chloride.

46. (Previously added) A polymer according to Claim 45 that has been made into an article and said article has been sterilized with gamma radiation.

47. (Previously added) Polyvinyl chloride, polyurethane, polyethylene, polypropylene, or polycarbonate containing about 0.2 to about 6 phr of a stabilizer having the formula:



where R_1 is hydrogen; one R_2 is R and the other R_2 is R or hydrogen; R_3 is R; R_4 is alkylene from C_1 to C_8 ; (aryl)alkylene from C_7 to C_8 , or -CO-(aryl)alkylene-CO- from C_7 to C_8 ; R is benzyl; and q is 1 to 5.

48. (Previously added) Polyvinyl chloride according to Claim 47 that has been made into an article and said article has been sterilized with gamma radiation.